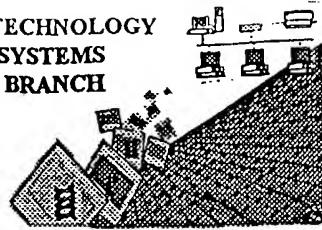


BIOTECHNOLOGY  
SYSTEMS  
BRANCH



**RAW SEQUENCE LISTING  
ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101018,716

Source: ITW/16

Date Processed by STIC: 022-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT  
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 101018/76

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleic Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was received in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino Numbering The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing.
- 6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
  - (2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)
  - (i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading)
  - (xi) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped
 

Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences.
- 8 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
  - <210> sequence id number
  - <400> sequence id number
  - 000
- 9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present.
- 10 Invalid <213> Response In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
 

Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence or scientific name (Genus/species). <220>.<223> section is required when <213> response is Unknown.
- 11 Use of <220> Sequence(s) missing the <220> "feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFW16

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/018,716

DATE: 12/22/2004  
TIME: 13:15:56

Input Set : N:\FATIMA\10018716.txt  
Output Set: N:\CRF4\12222004\J018716.raw

```

4 <110> APPLICANT: Labarbera, Andrew
5      Wang, YiFang
6      Zhu, ChangHong
8 <120> TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES FOR FERTILITY
9      AND MENSTRUAL CYCLE REGULATION AND FOR CHEMOPREVENTIVE AND
10     CHEMOTHERAPEUTIC USE
12 <130> FILE REFERENCE: 91830/0476600
14 <140> CURRENT APPLICATION NUMBER: 10/018,716
C--> 15 <141> CURRENT FILING DATE: 2002-03-28
17 <150> PRIOR APPLICATION NUMBER: 60/136,489
18 <151> PRIOR FILING DATE: 1999-05-28
20 <150> PRIOR APPLICATION NUMBER: 60/158,612
21 <151> PRIOR FILING DATE: 1999-10-08
23 <150> PRIOR APPLICATION NUMBER: US00/13488
24 <151> PRIOR FILING DATE: 2000-05-16
26 <160> NUMBER OF SEQ ID NOS: 4
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 18
32 <212> TYPE: DNA
33 <213> ORGANISM: Nucleic Acid Invalid Response
35 <400> SEQUENCE: 1
36 gagcaggccc ataattat
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 18
40 <212> TYPE: RNA
41 <213> ORGANISM: Nucleic Acid Invalid Response
43 <400> SEQUENCE: 2
44 auaauuaugg cccugcuc
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 18
48 <212> TYPE: DNA
49 <213> ORGANISM: Nucleic Acid Invalid Response
51 <400> SEQUENCE: 3
52 gagcaaggac atgattat
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 18
56 <212> TYPE: RNA
57 <213> ORGANISM: Nucleic Acid Invalid Response
59 <400> SEQUENCE: 4
60 auaaugaugu ccuugcuc

```

Does Not Comply  
Corrected Diskette Needed  
(p.1)

← Mandatory  
18 (2137 response  
has to be either Artificial  
18 Unknown or Genus Species.

See item #10 on error summary sheet.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/018,716

DATE: 12/22/2004

TIME: 13:15:57

Input Set : N:\FATIMA\10018716.txt

Output Set: N:\CRF4\12222004\J018716.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date